

The embodiments of the invention in that an exclusive property or privilege is claimed are defined as follows:

1. In a computer system with a display on which icons that are associated with nodes are provided and in which a user may select a node for expansion, a method for providing an indication to a user that the processing of the expansion of a node is occurring, the method comprising:

providing an icon overlay once a node is selected for expansion by a user; and

moving the icon overlay between a plurality of positions at selected time intervals so as to provide an indication to the user that the processing of the expansion of the node is occurring.

2. The method of Claim 1, wherein a timer controls the moving of the icon overlay between the plurality of positions.

3. The method of Claim 1, wherein the user selects the node for expansion by selecting a plus-sign element that is associated with the icon for the node.

4. The method of Claim 1, wherein the node is represented as part of a tree view on the display.

5. The method of Claim 4, wherein the processing of the expansion of the node comprises completing an enumeration that includes sub-items that are to be inserted into the tree view below the node.

6. The method of Claim 1, wherein the node may represent an element such as a folder, a computer, or a network domain.

7. The method of Claim 1, wherein a second icon overlay may be provided over a second icon once an associated second node is selected for expansion by a user while the expansion of the first node is still being processed.

8. A system for providing an indication to a user that processing of the expansion of a node is occurring, the system comprising:

a computing device having a processor and a memory;

a display device communicatively coupled to the computing device;

wherein icons are provided on the display device to represent nodes, and once a user selects a node for expansion, the icon that is associated with the node is overlaid by a moving element which provides an indication to the user that processing is occurring.

9. The system of Claim 8, further comprising a timer component.

10. The system of Claim 9, wherein the moving element is moved at selected intervals as controlled by the timing component.

11. The system of Claim 8, wherein the node is represented as part of a tree view on the display.

12. The system of Claim 11, wherein when the node is expanded, the representative icons of the sub-items for the node are displayed in the tree view below the icon that is associated with the node.

13. The system of Claim 8, wherein a node may represent an element such as a folder, a computer, or a network domain.

14. The system of Claim 8, wherein if a user selects a second node to be expanded while the expansion of the first node is still being processed, the icon that is associated with the second node is overlaid with a second moving element which provides an indication to the user that processing for expansion of the second node is occurring at the same time that the processing of the expansion of the first node is continuing.

15. In a computer system with a display, wherein icons on the display may represent nodes that may be selected for expansion by a user, a method for indicating that processing is occurring, the method comprising:

providing an icon overlay over the icon of a node that has been selected by a user to be expanded; and

moving the icon overlay to different positions while processing is continuing to occur with regard to the expansion of the node.

16. The method of Claim 15, wherein the icon overlay is moved to the different positions at selected time intervals as controlled by a timer.

17. The method of Claim 15, wherein the icon overlay is in the form of a magnifying glass.

18. The method of Claim 17, wherein the magnifying glass icon overlay is moved between three positions as controlled by a timer.

19. The method of Claim 15, wherein the user selects a node to be expanded by clicking on a plus-sign element that is associated with the icon of the node.

20. The method of Claim 15, wherein if a user selects a second node for expansion while the expansion of the first node is still being processed, then a second icon overlay is provided for the second icon.

21. A computer-readable medium having computer-executable components for providing an indication to a user that processing is occurring, the computer-readable medium comprising:

an icon component for providing an icon, the icon representing a node that may be selected to be expanded by a user; and

an icon overlay component for providing an icon overlay, the icon overlay being provided while the expansion of the selected node is being processed.

22. The computer-readable medium of Claim 21, wherein the icon overlay is moved between a plurality of positions at selected time intervals.

23. The computer-readable medium of Claim 22, wherein the selected time intervals are determined according to a timer.

24. The computer-readable medium of Claim 21, wherein if a user selects a second node to be expanded, the second node is also provided with an icon overlay while the expansion of the second node is being processed.

25. The computer-readable medium of Claim 21, wherein a node is represented as part of a tree view on the display.

26. In a computer system with a display, a method for providing an indication to a user that processing of an expansion of a node is occurring, the method comprising:

providing an icon overlay on the display to indicate that processing is occurring after a user has selected a node to be expanded; and

removing the icon overlay once the processing is completed.

27. The method of Claim 26, wherein the icon overlay is moved at selected intervals.

28. The method of Claim 27, wherein the selected intervals are determined by a timer.

29. The method of Claim 26, wherein a node is represented as part of a tree view on the display.

30. The method of Claim 26, wherein the user may select a node to be expanded by clicking on a plus-sign element that is associated with the icon that represents the node.

31. In a computer system, a method for providing an indication that processing of the expansion of a node is occurring, the method comprising:

providing a processing indicator on the display to indicate that processing of the expansion of a node is occurring; and

after specified time intervals, moving the processing indicator to different positions to indicate that the processing is still occurring.

32. The method of Claim 31, wherein the specified time intervals are determined according to a timer.

33. The method of Claim 31, wherein the processing indicator comprises an icon overlay.

34. The method of Claim 31, wherein the node is represented as part of a tree view on the display.

35. The method of Claim 34, wherein the expansion of the node comprises displaying sub-items of the node in the tree view below the node.

36. The method of Claim 31, wherein a second processing indicator may be provided to indicate that the expansion of a second selected node is being processed.

37. A computer-readable medium having computer-executable components for providing an indication on a display that processing of the expansion of a node is occurring, the computer-readable medium comprising:

a processing indicator component;

a timer component; and

wherein after a user selects a node to be expanded, the processing indicator component is moved at specified intervals as determined by the timer component, the movement of the processing indicator component providing an indication that the expansion of the node is being processed.

38. The computer-readable medium of Claim 37, wherein the processing indicator component comprises an icon overlay.

39. The computer-readable medium of Claim 38, wherein the icon overlay is provided in the form of a magnifying glass.

40. The computer-readable medium of Claim 38, wherein the node is represented as part of a tree view on the display.

41. The computer-readable medium of Claim 40, wherein the expansion of the node comprises displaying sub-items of the node in the tree view.

42. The computer-readable medium of Claim 41, wherein multiple nodes may be selected by a user to be expanded, and an icon overlay is provided for each of the selected nodes while each of their respective expansions are being processed.

43. The computer-readable medium of Claim 42, wherein once the processing is completed for the expansion of a node, the sub-items of the node will be inserted into the tree view while the remaining nodes for which processing continues will continue to have their respective icon overlays.